



CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited
Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil,
Bitumen, Non Destructive Testing Services, Project
Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/MRI/W.No.17/2021-22

Date 04.03.2022

TEST REPORT OF PHYSICAL PROPERTIES OF REINFORCEMENT STEEL

Client : Executive Engineer, Project Division R R Nagar Zone, BBMP, Bangalore.

Contractor Agency : M/S M R Infra, Bangalore.

Consultant Agency : M/S ESS ESS Builders, Bangalore.

Name of Work : Construction of Rajarajeshwari School(Kalpana)Building in Ward No.17, J P Park, BBMP, Bangalore.

Steel Dia/Length : 8mm,10mm,12mm,16mm,20mm,25mm" TMT"

Reference to BIS codes : IS 1786:2008(RA 2013) High Strength Deformed Steel Bars and Wires for Concrete Reinforcement-Specification
: IS 1608:2005 Metallic Materials- Tensile Testing at Ambient Temperature

Date of test : 04.03.2022

S.No	Brand	Nominal size (dia in mm)	Mass per meter (kg/meter)	TENSILE STRENGTH			
				0.20 % proof stress/ yield stress (N/mm ²)	Tensile strength (N/mm ²)	TS/YS ratio	Elongation , percent on gauge length
1	TMT	8	0.398	532	627	1.18	20
2	TMT	10	0.619	504	612	1.21	23
3	TMT	12	0.887	519	622	1.20	22
4	TMT	16	1.582	527	619	1.17	19
5	TMT	20	2.471	521	638	1.22	24
6	TMT	25	3.853	511	608	1.19	21

Note:

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Assistant Executive Engineer
R.R. Nagar Project Sub-Division-0
Bruhat Bengaluru Mahanagara Palike

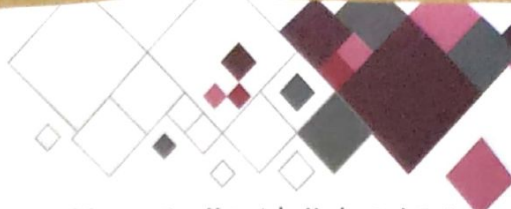
For CIVIL QUALITY CONSULTANTS & ENGINEERS

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com



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Job No.: CQCE/BBMP/MRI/W.No.17/2021-22

Date: 27.04.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : Executive Engineer, Project Division R R Nagar Zone, BBMP, Bangalore.

Agency : M/S M R Infra, Bangalore.
M/S ESS ESS Builders, Bangalore.

Name of the work : Construction of Rajarajeshwari School(Kalpana) Building in Ward No.17, J P
Park, BBMP, Bangalore.

Sample ID : Cement Concrete - Third Floor Column Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm²

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M₃₀

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	20.04.2022	27.04.2022	8.007	506.2	22.50
2	20.04.2022	27.04.2022	8.058	513.9	22.84
3	20.04.2022	27.04.2022	8.123	527.7	23.45

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R.R. Nagar Project Sub-Division-6
Bruhat Bengaluru Mahanagara Palike

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Authorised Signatory



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Job No.: CQCE/BBMP/MRI/W.No.17/2021-22

Date: 27.04.2022

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Cross Sectional Area : 22500 mm²

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M₃₀

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	20.04.2022	27.04.2022	8.069	501.7	22.30
2	20.04.2022	27.04.2022	8.041	519.8	23.10
3	20.04.2022	27.04.2022	8.002	525.3	23.35

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Job No.: CQCE/BBMP/MR1/W.No.17/2021-22

Date: 12.05.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : Executive Engineer, Project Division R R Nagar Zone, BBMP, Bangalore.

Agency : M/S M R Infra, Bangalore.
M/S ESS ESS Builders, Bangalore.

Name of the work : Construction of Rajarajeshwari School(Kalpana) Building in Ward No.17, J P
Park, BBMP, Bangalore.

Sample ID : Cement Concrete - Third floor Roof beam and Slab concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm²

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M₃₀

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	05.05.2022	12.05.2022	8.111	510.2	22.68
2	05.05.2022	12.05.2022	8.137	502.8	22.35
3	05.05.2022	12.05.2022	8.172	517.8	23.01

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TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client

: Executive Engineer, Project Division R R Nagar Zone, BBMP, Bangalore.

Agency

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Name of the work

: Construction of Rajarajeshwari School(Kalpana) Building in Ward No.17, J P
Park, BBMP, Bangalore.

Sample ID

: Cement Concrete - Third floor Roof beam and Slab concrete

Size of cubes

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Cross Sectional Area

: 22500 mm²

Technical Reference

: IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete

: M₃₀

Compressive Strength as on

: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	05.05.2022	12.05.2022	8.108	530.9	23.60
2	05.05.2022	12.05.2022	8.062	518.5	23.04
3	05.05.2022	12.05.2022	8.017	506.7	22.52

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Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm²

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M₃₀

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	05.05.2022	12.05.2022	8.190	529.6	23.54
2	05.05.2022	12.05.2022	8.171	515.1	22.89
3	05.05.2022	12.05.2022	8.146	503.4	22.37

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Client : Executive Engineer, Project Division R R Nagar Zone, BBMP, Bangalore.

Agency : M/S M R Infra, Bangalore.
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Name of the work : Construction of Rajarajeshwari School(Kalpana)Building in Ward No.17, J P
Park, BBMP, Bangalore.

Sample ID : Cement Concrete - Third floor Roof beam and Slab concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm²

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M₃₀

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	05.05.2022	12.05.2022	8.070	503.8	22.39
2	05.05.2022	12.05.2022	8.053	521.9	23.20
3	05.05.2022	12.05.2022	8.019	514.7	22.88

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Job No.: CQCE/BBMP/MRI/W.No.17/2021-22

Date: 18.05.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : Executive Engineer, Project Division R R Nagar Zone, BBMP, Bangalore.

Contractor Agency : M/S M R Infra, Bangalore.

Consultant Agency : M/S ESS ESS Builders, Bangalore.

Name of Work : Construction of Rajarajeshwari School(Kalpana) Building in Ward No.17, J P Park, BBMP, Bangalore.

Sample ID : Cement Concrete - Third Floor Column Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm²

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M₃₀

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	20.04.2022	18.05.2022	8.117	701.4	31.17
2	20.04.2022	18.05.2022	8.082	718.5	31.93
3	20.04.2022	18.05.2022	8.051	729.9	32.44

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Job No.: CQCE/BBMP/MRI/W.No.17/2021-22

Date: 18.05.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : Executive Engineer, Project Division R R Nagar Zone, BBMP, Bangalore.

Agency : M/S M R Infra, Bangalore.
M/S ESS ESS Builders, Bangalore.

Name of the work : Construction of Rajarajeshwari School(Kalpana) Building in Ward No.17, J P
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Sample ID : Cement Concrete - Third Floor Column Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm²

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M₃₀

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	20.04.2022	18.05.2022	8.043	709.6	31.54
2	20.04.2022	18.05.2022	8.012	730.5	32.47
3	20.04.2022	18.05.2022	8.079	722.8	32.12

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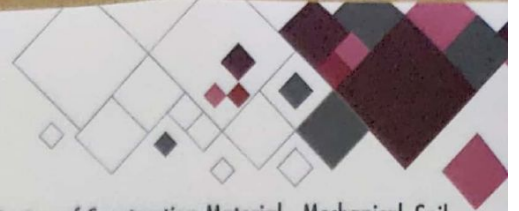
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Job No.: CQCE/BBMP/MRI/W.No.17/2021-22

Date: 02.06.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : Executive Engineer, Project Division R R Nagar Zone, BBMP, Bangalore.

Agency : M/S M R Infra, Bangalore.
M/S ESS ESS Builders, Bangalore.

Name of the work : Construction of Rajarajeshwari School(Kalpana)Building in Ward No.17, J P
Park, BBMP, Bangalore.

Sample ID : Cement Concrete - Third floor Roof beam and Slab concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm²

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M₃₀

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	05.05.2022	02.06.2022	8.100	721.6	32.07
2	05.05.2022	02.06.2022	8.076	737.8	32.79
3	05.05.2022	02.06.2022	8.029	707.1	31.43

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R.R. Nagar Project Sub-Division-C.
Bruhat Bengaluru Mahanagara Palike

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Date: 02.06.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : Executive Engineer, Project Division R R Nagar Zone, BBMP, Bangalore.

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Name of the work : Construction of Rajarajeshwari School(Kalpana)Building in Ward No.17, J P
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Sample ID : Cement Concrete - Third floor Roof beam and Slab concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm²

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M₃₀

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	05.05.2022	02.06.2022	8.095	718.8	31.95
2	05.05.2022	02.06.2022	8.113	700.3	31.12
3	05.05.2022	02.06.2022	8.157	727.2	32.32

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Size of cubes : 150mmx150mmx150mm

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Grade of Concrete : M₃₀

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	05.05.2022	02.06.2022	8.159	706.1	31.38
2	05.05.2022	02.06.2022	8.187	728.9	32.40
3	05.05.2022	02.06.2022	8.112	700.4	31.13

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Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	05.05.2022	02.06.2022	8.071	726.2	32.28
2	05.05.2022	02.06.2022	8.044	704.1	31.29
3	05.05.2022	02.06.2022	8.005	717.9	31.91

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Assistant Executive Engineer
R.R. Nagar Project Sub-Division-I
Bruhat Bengaluru Mahanagara Palike

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com



Job No.: CQCE/BBMP/MRI/W.No.17/2021-22

Date: 29.04.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : Executive Engineer, Project Division R R Nagar Zone, BBMP, Bangalore.

Contractor Agency : M/S M R Infra, Bangalore.

Consultant Agency : M/S ESS ESS Builders, Bangalore.

Name of Work : Construction of Rajarajeshwari School(Kalpana)Building in Ward No.17, J P Park, BBMP, Bangalore.

Sample ID : Cement Concrete - Third floor Lintel beam concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm²

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M₂₅

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	22.04.2022	29.04.2022	8.162	417.5	18.56
2	22.04.2022	29.04.2022	8.134	426.5	18.96
3	22.04.2022	29.04.2022	8.108	404.6	17.98

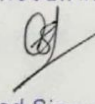
Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL QUALITY CONSULTANTS & ENGINEERS



Assistant Executive Engineer
R.R. Nagar Project Sub-Division-01
Bruhat Bengaluru Mahanagara Palike



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CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited
Laboratory as per ISO/IEC - 17025-2017



Testing of Construction Material - Mechanical, Soil,
Bitumen, Non Destructive Testing Services, Project
Management Consultants, Third Party Quality Assurance, DPR.

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Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	22.04.2022	29.04.2022	8.046	408.9	18.17
2	22.04.2022	29.04.2022	8.013	420.3	18.68
3	22.04.2022	29.04.2022	8.089	425.3	18.90

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Date: 20.05.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

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Consultant Agency : M/S ESS ESS Builders, Bangalore.

Name of Work : Construction of Rajarajeshwari School(Kalpana) Building in Ward No.17, J P Park, BBMP, Bangalore.

Sample ID : Cement Concrete - Third floor Lintel beam concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm²

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M₂₅

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	22.04.2022	20.05.2022	8.147	594.7	26.43
2	22.04.2022	20.05.2022	8.178	588.2	26.14
3	22.04.2022	20.05.2022	8.193	603.5	26.82

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Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	22.04.2022	20.05.2022	8.190	600.2	26.68
2	22.04.2022	20.05.2022	8.165	615.3	27.35
3	22.04.2022	20.05.2022	8.134	595.2	26.45

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